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**TRANSMITTAL
FORM**(To be used for all correspondence
after initial filing)

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| Application Number | 10/667,113 |
| Filing Date | September 18, 2003 |
| First Named Inventor | Gabriele Barlocchi |
| Art Unit | 2826 |
| Examiner Name | Fazli Erdem |
| Attorney Docket No. | 854063.552D1 |

ENCLOSURES (check all that apply)

- | | | |
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| <input type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance Communication to TC |
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| <input type="checkbox"/> Response to Missing Parts/Incomplete Application | <input type="checkbox"/> Landscape Table on CD | |

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | | | |
|--------------|---|-----------------|--------|
| Firm Name | Seed Intellectual Property Law Group PLLC | Customer Number | 00500 |
| Signature | <i>E. Russell Tarleton</i> | | |
| Printed Name | E. Russell Tarleton | | |
| Date | May 10, 2006 | Reg. No. | 31,800 |

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Gabriele Barlocchi et al.
 Application No. : 10/667,113
 Filed : September 18, 2003
 For : METHOD FOR FORMING HORIZONTAL BURIED CHANNELS
 OR CAVITIES IN WAFERS OF MONOCRYSTALLINE
 SEMICONDUCTOR MATERIAL

Examiner : Fazli Erdem
 Art Unit : 2826
 Docket No. : 854063.552D1
 Date : May 10, 2006

Mail Stop Amendment
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

RESPONSE TO OFFICE ACTION

Commissioner for Patents:

In response to the Office Action dated February 10, 2006, Applicant offers the following remarks.

Claims 1, 3-19, and 21-35 remain pending in the application. Claims 8-19 and 21-35 are allowed, and claims 6 and 7 were found to be allowable if rewritten into independent form.

Claims 1 and 3-5 have been rejected under 35 U.S.C. § 103(a) as unpatentable over Sidner et al. (of record) in view of U.S. Patent No. 5,690,841 ("Elderstig").

Applicants respectfully disagree with the basis for the rejection and request reconsideration and further examination of the rejected claims.

Claim 1 is directed to a wafer of monocrystalline semiconductor material comprising at least one buried cavity having a wall completely surrounded by said monocrystalline material, the cavity wall coated with a layer of material inhibiting epitaxial

